L Number	Hits		DB	Time stamp
3	2	("5042043").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/10 14:02
4	21	US-6069021-\$ or US-6316793-\$ or US-6150672-\$ or US-5612551-\$ or US-5929467-\$ or US-5042043-\$ or US-6194744-\$ or US-6064082-\$).did. or (US-20020038892-\$ or US-20020030246-\$ or US-20020000563-\$).did. or (JP-11045892-\$ or JP-10242567-\$ or JP-10242514-\$ or JP-2000004046-\$ or JP-2000188260-\$ or	USPAT; US-PGPUB; JPO; DERWENT	2002/11/10 14:08
5	13	EP-395392-\$).did.  ((US-6392257-\$ or US-5326424-\$ or US-6069021-\$ or US-6316793-\$ or US-6150672-\$ or US-5612551-\$ or US-5929467-\$ or US-5042043-\$ or US-6194744-\$ or US-6064082-\$).did. or (US-20020038892-\$ or US-20020030246-\$ or US-2002000563-\$).did. or (JP-11045892-\$ or JP-10242567-\$ or JP-10242514-\$ or JP-10242569-\$).did. or (JP-2000332294-\$ or JP-2000004046-\$ or JP-2000188260-\$ or EP-395392-\$).did.) and (amorphous or crytalline or crystal) near12 (boron adj phosphide or bp or buffer or current-blocking or current adj blocking)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/10 14:09
6	13	((US-6392257-\$ or US-5326424-\$ or US-6069021-\$ or US-6316793-\$ or US-6150672-\$ or US-5612551-\$ or US-5929467-\$ or US-5042043-\$ or US-6194744-\$ or US-6064082-\$).did. or (US-20020038892-\$ or US-20020030246-\$ or US-20020000563-\$).did. or (JP-11045892-\$ or JP-10242567-\$ or JP-10242514-\$ or JP-10242569-\$).did. or (JP-2000332294-\$ or JP-2000004046-\$ or JP-2000188260-\$ or EP-395392-\$).did.) and (amorphous or crystalline or crystal) near12 (boron adj phosphide or bp or buffer or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/10 15:47
7	212	current-blocking or current adj blocking) oh.in. and won.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/10 15:48
8	18	oh.in. and won.in. and buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/10 15:48
9	4	oh.in. and won.in. and buffer and nitride	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/11/10 16:37
10	2	("6069021").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/11/10 16:37
_	0	("(GaNP or gallium adj nitride adj phosphide) and light-emitting.ti,ab.").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/06/01 10:51

-	12	(GaNP or gallium adj nitride adj phosphide) and light-emitting.ti,ab.	USPAT; US-PGPUB;	2002/05/31 07:10
			EPO; JPO; DERWENT; IBM TDB	
-	4	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide) and	USPAT; US-PGPUB;	2002/05/30 16:53
		light-emitting.ti,ab. and boron adj phosphide near3 buffer	EPO; JPO; DERWENT;	
_	4	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide) and	IBM_TDB USPAT; US-PGPUB;	2002/05/30 16:54
		light-emitting.ti,ab. and (BP or boron adj phosphide) near6 buffer	EPO; JPO; DERWENT;	
	7	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P	IBM_TDB USPAT; US-PGPUB;	2002/05/30 16:58
		or GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P)) and	EPO; JPO; DERWENT;	
	4	light-emitting.ti,ab. and (BP or boron adj phosphide) near6 buffer (GaNP or "GaN.sub.1-x.P.sub.x" or gallium	IBM_TDB USPAT;	2002/05/30 17:07
_	<b>4</b>	adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj	US-PGPUB; EPO; JPO;	2002/03/30 17.0/
		nitride near6 (phosphorus or P)) and (257/8\$5.ccls. or 257/9\$5.ccls. or	DERWENT; IBM_TDB	
		257/100.ccls. or 257/101.ccls. or 257/102.ccls. or 257/103.ccls.) and (BP or boron adj phosphide) near6 buffer		
-	4	(GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or	USPAT; US-PGPUB;	2002/05/30 17:09
		"GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or	EPO; JPO; DERWENT;	
		GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P)) and (257/8\$5.ccls. or 257/9\$5.ccls. or	IBM_TDB	
		257/100.ccls. or 257/101.ccls. or 257/102.ccls. or 257/103.ccls.) and (BP or		
_	4	boron adj phosphide) near6 buffer (GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or	USPAT; US-PGPUB;	2002/05/30 17:10
		"GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or	EPO; JPO; DERWENT;	
		GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P) or GaN	IBM_TDB	
	,	near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or		
		257/102.ccls. or 257/103.ccls.) and (BP or boron adj phosphide) near6 buffer	Harry	2002/05/20 17:00
-	4	(GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj	USPAT; US-PGPUB; EPO; JPO;	2002/05/30 17:28
		nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj	DERWENT; IBM_TDB	
		nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus)) and (257/8\$5.ccls. or		
		257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or 257/102.ccls. or		
		257/103.ccls.) and (BP or boron adj phosphide) near6 buffer		

	342	(GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.l-x" or "GaN.sub.l-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/103.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:29
	275	(GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or 257/102.ccls. or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:30
	4	257/103.ccls.) and buffer (GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or 257/102.ccls. or 257/103.ccls.) and buffer near12 (boron adj phosphide or bp)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:34
_	489	(257/79).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/30 17:35
-	435	(257/80).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:35
_	366	(257/81).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/30 17:35
_	814	(257/82).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/30 17:35
_	106	(257/83).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/30 17:35
	380	(257/84).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/30 17:35
-	205	(257/85).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/30 17:35

	···			0000 105 155 5
_	229	(257/86).CCLS.	USPAT; US-PGPUB;	2002/05/30 17:35
			EPO; JPO;	
ļ			DERWENT;	
_	56	(257/87) CCIS	IBM_TDB USPAT;	2002/05/30 17:35
_	56	(257/87).CCLS.	USPAT; US-PGPUB;	2002/03/30 1/:33
İ			EPO; JPO;	
			DERWENT;	
) 	488	(257/88).CCLS.	IBM_TDB USPAT;	2002/05/30 17:35
_	400	(237/88).CCLS.	US-PGPUB;	2002/03/30 17.33
			EPO; JPO;	
1			DERWENT;	
	175	(257/89).CCLS.	IBM_TDB USPAT;	2002/05/30 17:35
_	1/3	(237/69).CCES.	US-PGPUB;	2002/03/30 17:33
			EPO; JPO;	
			DERWENT;	
	83	(257/90).CCLS.	IBM_TDB USPAT;	2002/05/30 17:36
	83	(237/90).0083.	US-PGPUB;	2002,00,00
}	}		EPO; JPO;	}
Į			DERWENT;	
_	147	(257/91).CCLS.	IBM_TDB USPAT;	2002/05/30 17:36
_	14,	(2377 91), COBS.	US-PGPUB;	2002/03/30 17.00
	}		EPO; JPO;	
			DERWENT;	
<u> </u>	49	(257/92).CCLS.	IBM_TDB USPAT;	2002/05/30 17:36
_	49	(2017 92) . 0010.	US-PGPUB;	
}			EPO; JPO;	1
			DERWENT;	
1_	146	(257/93).CCLS.	IBM_TDB USPAT;	2002/05/30 17:36
_	140	1	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	i 685 l	(257/94).CCLS.	USPAT;	2002/05/30 17:36
		•== · / • = / • = == <del></del>	US-PGPUB;	
	}		EPO; JPO;	
			DERWENT; IBM TDB	
	239	(257/95).CCLS.	USPAT;	2002/05/30 17:36
	233	, , , , , , , , , , , , , , , , , , ,	US-PGPUB;	
1			EPO; JPO;	}
			DERWENT; IBM TDB	
_	445	(257/96).CCLS.	USPAT;	2002/05/30 17:36
		· · · · · · · · · · · · · · · · · · ·	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
-	327	(257/97).CCLS.	USPAT;	2002/05/30 17:36
	]	· · · · · · · · · · · · · · · · · · ·	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
-	1241	(257/98).CCLs.	USPAT;	2002/05/30 17:36
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	1351	(257/99).CCLS.	USPĀT;	2002/05/30 17:36
			US-PGPUB;	
	<u> </u>		EPO; JPO; DERWENT;	
	1		IBM TDB	
	L	<u> </u>	_ <del></del>	<del></del>

			Y	
-	318	(257/100).CCLS.	USPAT; US-PGPUB;	2002/05/30 17:36
			EPO; JPO;	
			DERWENT;	
	0.00	(057 (101) CGT R	IBM_TDB USPAT;	2002/05/30 17:36
-	278	(257/101).CCLS.	USPAT; US-PGPUB;	2002/05/30 17:36
			EPO; JPO;	
			DERWENT;	
	200	(257 /102) COT S	IBM_TDB USPAT;	2002/05/30 17:36
-	308	(257/102).CCLS.	US-PGPUB;	2002/03/30 17:30
			EPO; JPO;	
			DERWENT;	
	967	(257/103).CCLS.	IBM_TDB USPAT;	2002/05/30 17:37
_	967	(237/103):CCL3.	US-PGPUB;	2002,00,00 1,10.
			EPO; JPO;	
			DERWENT;	
	0	("L13 or L14 or L15 or L16 or L17 or L18	IBM_TDB USPAT;	2002/05/30 17:38
		or L19 Or L20 or L21 or L22 or L23 or L24	US-PGPUB;	
	1	or L25 or L26 or L27 or L28 or L29 or L30	EPO; JPO;	
		or L31 or L32 or L33 or L34 or L35 or L36	DERWENT; IBM TDB	
_	6890	or L37").PN. ((257/80).CCLS.) or	USPAT;	2002/05/30 17:40
	0030	((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
		((257/85).CCLS.) or ((257/86).CCLS.) or ((257/87).CCLS.) or ((257/88).CCLS.) or	DERWENT; IBM TDB	
		((257/89).CCLS.) or ((257/88).CCLS.) or	IBH_IBB	
		((257/91).CCLS.) or ((257/92).CCLS.) or		
		((257/93).CCLS.) or ((257/94).CCLS.) or		
		((257/95).CCLS.) or ((257/96).CCLS.) or ((257/97).CCLS.) or ((257/98).CCLS.) or		
		((257/99).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) or ((257/102).CCLS.) or		
		((257/103).CCLS.)	HCDAM.	2002/05/30 17:41
-	0	(((257/79).CCLS.) or ((257/80).CCLS.) or ((257/81).CCLS.) or ((257/82).CCLS.) or	USPAT; US-PGPUB;	2002/05/30 17.41
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
		((257/87).CCLS.) or ((257/88).CCLS.) or	IBM_TDB	
		((257/89).CCLS.) or ((257/90).CCLS.) or ((257/91).CCLS.) or ((257/92).CCLS.) or		
		((257/93).CCLS.) or ((257/94).CCLS.) or		
ļ		((257/95).CCLS.) or ((257/96).CCLS.) or		
		((257/97).CCLS.) or ((257/98).CCLS.) or ((257/99).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) or ((257/102).CCLS.) or		
		((257/103).CCLS.)) and ganp.ti,ab.		0000/05/00 15 10
-	13	(((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:43
		((257/81).CCLS.) or ((257/82).CCLS.) or ((257/83).CCLS.) or ((257/84).CCLS.) or	US-PGPUB; EPO; JPO;	
		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
		((257/87).CCLS.) or ((257/88).CCLS.) or	IBM_TDB	
		((257/89).CCLS.) or ((257/90).CCLS.) or		
		((257/91).CCLS.) or ((257/92).CCLS.) or ((257/93).CCLS.) or ((257/94).CCLS.) or		
		((257/95).CCLS.) or ((257/96).CCLS.) or		
		((257/97).CCLS.) or ((257/98).CCLS.) or		
		((257/99).CCLS.) or ((257/100).CCLS.) or ((257/101).CCLS.) or ((257/102).CCLS.) or		
		((257/101).CCLS.) of ((257/102).CCLS.) of ((257/103).CCLS.)) and (gamp or (gam or		
		gallium adj nitride) near12 phosphorus)		
<del></del>	·			

-	2	(((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:44
		((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
-		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
Į Į		((257/87).CCLS.) or ((257/88).CCLS.) or	IBM TDB	
		((257/89).CCLS.) or ((257/90).CCLS.) or	12133	
		((257/91).CCLS.) or ((257/92).CCLS.) or		
		((257/93).CCLS.) or ((257/94).CCLS.) or		
1		((257/95).CCLS.) or ((257/96).CCLS.) or		
		((257/97).CCLS.) or ((257/98).CCLS.) or		
1		((257/99).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) or ((257/102).CCLS.) or	1	
ĺ		((257/103).CCLS.)) and buffer near12 (bp		
		or boron adj phosphide) and (ganp or (gan	•	
		or gallium adj nitride) near12 phosphorus)		
	1 1		IIODAM -	2002/05/20 17:47
-	13	• • • • • • • • • • • • • • • • • • •	USPAT;	2002/05/30 17:47
	}	((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
	1	((257/87).CCLS.) or ((257/88).CCLS.) or	IBM TDB	
		((257/89).CCLS.) or ((257/90).CCLS.) or	_	
	1	((257/91).CCLS.) or ((257/92).CCLS.) or		
	1	((257/93).CCLS.) or ((257/94).CCLS.) or		
			1	
1		((257/95).CCLS.) or ((257/96).CCLS.) or		
1		((257/97).CCLS.) or ((257/98).CCLS.) or		
		((257/99).CCLS.) or ((257/100).CCLS.) or	]	
		((257/101).CCLS.) or ((257/102).CCLS.) or	1	
		((257/103).CCLS.)) and (ganp or (gan or		
		gallium adj nitride) near12 phosphorus)		
_	4		USPAT;	2002/05/30 17:53
		((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
			I	
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
		((257/87).CCLS.) or ((257/88).CCLS.) or	IBM_TDB	
		((257/89).CCLS.) or ((257/90).CCLS.) or		
		((257/91).CCLS.) or ((257/92).CCLS.) or		
		((257/93).CCLS.) or ((257/94).CCLS.) or		
		((257/95).CCLS.) or ((257/96).CCLS.) or		
		((257/97).CCLS.) or ((257/98).CCLS.) or		
1		((257/99).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) or ((257/102).CCLS.) or	ļ	
		((257/103).CCLS.)) and (gan or gallium adj		
1		nitride) and ((bp or boron adj phosphide)		
		near12 buffer)		
_	0	jp-410242514\$-\$.did.	USPAT;	2002/05/30 17:54
1		7F	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	0000/05/00 15 55
-	2	jp-10242514\$-\$.did.	USPAT;	2002/05/30 17:56
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
	2	in_102/25676_6 did	USPAT;	2002/05/30 17:59
-	2	jp-10242567\$-\$.did.	•	2002/00/00 17:09
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	2	jp-10242569\$-\$.did.	USPĀT;	2002/05/30 18:09
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			1	
		604 6700	IBM TDB	2002/05/20 10:10
-	2	6316793.pn.	USPAT;	2002/05/30 18:10
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
1	I	1		L

_	2	6064082.pn.	USPAT;	2002/05/30 18:11
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	2	5929467.pn.	USPAT;	2002/05/30 18:11
		3323407.pit.	· ·	2002/03/30 18.11
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	2	jp-10066769\$-\$.did.	USPAT;	2002/05/30 20:04
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	0	jp-410066769\$-\$.did.	JPO	2002/05/30 20:05
	1	jp-10066769\$-\$.did.	JPO	2002/05/30 20:06
	1	31	1	
_	1	jp-11036830\$-\$.did.	JPO	2002/05/30 20:06
-	0	jp-411036830\$-\$.did.	JPO	2002/05/30 20:06
-	0	terashima.in. and buffer	JPO	2002/05/30 20:13
-	1	light-emitting.ti,ab. and ((bp or boron	JPO	2002/05/30 20:14
		adj phosphide) near10 buffer) and gallium		
		adj nitride.ti,ab.		
-	1	light-emitting.ti,ab. and ((bp or boron	JPO	2002/05/30 20:14
		adj phosphide) near10 buffer) and gallium		
		adj nitride		
_	3	1 -	JPO	2002/05/30 20:15
	3	,	010	2002/05/30 20.13
		emitting).ti,ab. and ((bp or boron adj		
		phosphide) near10 buffer) and gallium adj		
	_	nitride		
-	4	,	USPAT;	2002/05/31 07:13
		or AlGaNP or aluminum adj gallium adj	US-PGPUB;	
		nitride adj phosphide or	EPO; JPO;	
		"GaN.sub.lix.P.subx") and	DERWENT;	†
		light-emitting.ti,ab. and buffer near10	IBM TDB	1
		(bp or boron adj phosphide)	<u>-</u>	
Ì_	Δ	(GaNP or gallium adj nitride adj phosphide	USPAT;	2002/05/31 07:15
}	7	or AlGaNP or aluminum adj gallium adj	US-PGPUB;	2002/03/31 07:13
		nitride adj phosphide or	EPO; JPO;	
		"GaN.sub.1-x.P.sub.x") and	DERWENT;	
		light-emitting.ti,ab. and (bp or boron adj	IBM_TDB	
		phosphide)		
***	8	((GaN or gallium adj nitride or AlGaN or	USPAT;	2002/05/31 07:19
		aluminum adj gallium adj nitride) near6 (P	US-PGPUB;	
		or phosphide)) and light-emitting.ti,ab.	EPO; JPO;	4
1		and (bp or boron adj phosphide)	DERWENT;	}
			IBM TDB	
_	7	((GaN or gallium adj nitride or AlGaN or	USPAT;	2002/05/31 07:58
	1	aluminum adj gallium adj nitride) near6 (P	US-PGPUB;	-002,00,01 07.00
			-	
		or phosphide)) and light-emitting.ti,ab.	EPO; JPO;	
		and ((bp or boron adj phosphide) near10	DERWENT;	
	]	buffer)	IBM_TDB	
-	4	((GaN or gallium adj nitride or AlGaN or	USPAT;	2002/05/31 08:01
		aluminum adj gallium adj nitride) near6 (P	US-PGPUB;	
	]	or phosphide)) and light-emitting.ti,ab.	EPO; JPO;	
		and ((bp or boron adj phosphide) near10	DERWENT;	
		buffer) and ((mono-crystal or single adj	IBM TDB	
		crystal) near6 substrate)		
l _	8	light-emitting.ti,ab. and ((bp or boron	USPAT;	2002/05/31 08:01
		adj phosphide) near10 buffer) and	US-PGPUB;	1001,00,01
			·	
		((mono-crystal or single adj crystal)	EPO; JPO;	
		near6 substrate)	DERWENT;	
			IBM_TDB	
_	325	light-emitting.ti,ab. and ((mono-crystal	USPAT;	2002/05/31 08:15
		or single adj crystal) near6 substrate)	US-PGPUB;	
	[		EPO; JPO;	
			DERWENT;	
	]		IBM TDB	
	<u> </u>			<u> </u>

-	184	light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)	USPAT; US-PGPUB;	2002/05/31 08:16
			EPO; JPO; DERWENT;	
_	14	light-emitting.ti,ab. and ((mono-crystal	<pre>IBM_TDB USPAT;</pre>	2002/05/31 08:17
	1	or single adj crystal) adj substrate) and	US-PGPUB;	2002/03/31 08:17
		GaN.ti,ab.	EPO; JPO;	
			DERWENT;	
_	351	buffer adj layer near3 amorphous	IBM_TDB USPAT;	2002/05/31 08:43
		Julior and rayor modes amorphous	US-PGPUB;	2002/03/31 00.43
			EPO; JPO;	
			DERWENT; IBM TDB	
_	4	(bp or boron adj phosphorus) near6 buffer	USPAT;	2002/05/31 08:44
		adj layer near3 amorphous	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	38	amorphous adj buffer adj layer	USPAT;	2002/05/31 10:42
•			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
_	3	amorphous adj buffer adj layer and (single	USPAT;	2002/05/31 11:23
	İ	adj crystal or single-crystal) adj buffer adj layer	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	64	single adj (heterojunction or hetero-junction) and (double adj	USPAT; US-PGPUB;	2002/05/31 11:26
		heterojunction or hetero-junction) and	EPO; JPO;	]
		257/\$6.ccls.	DERWENT;	
	58	(single adj (heterojunction or	IBM_TDB USPAT;	2002/05/31 12:36
		hetero-junction)) and (double adj	US-PGPUB;	2002/03/31 12.30
		(heterojunction or hetero-junction)) and	EPO; JPO;	
		257/\$6.ccls.	DERWENT; IBM TDB	
	2	("6150672").PN.	USPAT;	2002/05/31 11:47
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
_	4	, , , , , , , , , , , , , , , , , , ,	USPĀT;	2002/05/31 13:07
		hetero-junction)).ti,ab. and (double adj (heterojunction or hetero-junction)) and	US-PGPUB; EPO; JPO;	
		257/\$6.ccls.	DERWENT;	
_	2	(461506724) DV	IBM_TDB	0000/05/05
-	4	("6150672").PN.	USPAT; US-PGPUB;	2002/05/31 13:41
			EPO; JPO;	
			DERWENT;	
_	1	(lattice near6 (match\$3 or mismatch\$3))	IBM_TDB USPAT;	2002/05/31 15:47
	_	near12 (boron adj phosphide or BP or BPN	US-PGPUB;	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	EPO; JPO;	
		gallium adj nitride)	DERWENT; IBM TDB	
-	1	(lattice near6 (match\$3 or mismatch\$3))	USPAT;	2002/05/31 13:44
		near12 (boron adj phosphide or BP or BPN	US-PGPUB;	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or gallium adj nitride or AlGaN or aluminum	EPO; JPO; DERWENT;	
		adj gallium adj nitride)	IBM_TDB	
~	29		USPAT;	2002/05/31 14:11
		buffer) near12 (N or nitrogen)	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM_TDB	

-	1	(lattice near6 (match\$3 or mismatch\$3))	USPAT;	2002/05/31 15:59
		near12 (boron adj phosphide or BP or BPN	US-PGPUB;	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	EPO; JPO;	
		gallium adj nitride or gallium adj nitride	DERWENT;	
	ļ	adj phosphide or GaNP)	IBM TDB	1
_	1	(lattice near6 (match\$3 or mismatch\$3) or	USPAT;	2002/05/31 16:16
	_	lattice-match\$3 or lattice-mismatch\$3)	US-PGPUB;	2002/03/31 10.10
		near12 (boron adj phosphide or BP or BPN	EPO; JPO;	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	DERWENT;	
		gallium adj nitride or gallium adj nitride	IBM TDB	
		adj phosphide or GaNP)	1BM_1DB	
1_	1	(lattice near6 (match\$3 or mismatch\$3) or	USPAT;	2002/05/31 16:33
	1	lattice-match\$3 or lattice-mismatch\$3)	US-PGPUB;	2002/05/31 16:33
		near12 (boron adj phosphide or BP or BPN	EPO; JPO;	
		or "BP.sub.1-x.N.sub.x" or BNP or		
		"BN.sub.1-x.P.sub.x") near12 (GaN or	DERWENT;	
			IBM_TDB	
		gallium adj nitride or gallium adj nitride		
	66	adj phosphide or GaNP)		0000 (05 (04 45 50
_	66		USPAT;	2002/05/31 17:58
		"BP. sub.1-x.N. sub.x" or BNP or	US-PGPUB;	
		"BN.sub.1-x.P.sub.x") near12 (GaN or	EPO; JPO;	
		gallium adj nitride or gallium adj nitride	DERWENT;	
		adj phosphide or GaNP)	IBM_TDB	0000/07/5
_	0	"10-066769"	JPO	2002/05/31 17:59
-	1	jp-10066769\$-\$.did.	JPO	2002/05/31 18:00
_	1	jp-10180921\$-\$.did.	JPO	2002/05/31 18:01
j -	0	jp-410180921\$-\$.did.	JPO	2002/05/31 18:01
-	0		JPO	2002/05/31 18:12
-	2	terashima.in. and "1998"	JPO	2002/05/31 18:14
-	1	jp-10066769\$-\$.did.	JPO	2002/05/31 18:15
-	1	jp-10180921\$-\$.did.	JPO	2002/05/31 18:16
-	1	jp-10193125\$-\$.did.	JPO	2002/05/31 18:17
-	1	jp-10232279\$-\$.did.	JPO	2002/05/31 18:17
-	1	jp-11036830\$-\$.did.	JPO	2002/05/31 18:18
_	2301	1	JPO	2002/05/31 18:18
-	35	udagawa.in. and light-emitting	JPO	2002/05/31 18:18
-	3	udagawa.in. and light-emitting and (BP or	JPO	2002/05/31 18:22
		boron adj phosphide)		
-	0	terashima.in. and light-emitting and (BP	JPO	2002/05/31 18:23
		or boron adj phosphide)		ļ
-	0	nishimura.in. and light-emitting and (BP	JPO	2002/05/31 18:23
		or boron adj phosphide)		ĺ
-	0	tsuzaki.in. and light-emitting and (BP or	JPO	2002/05/31 18:23
		boron adj phosphide)		
-	11550		DERWENT	2002/05/31 18:25
-	245		DERWENT	2002/05/31 18:25
l – 1	15	(boron adj phosphide or bp) and buffer adj	DERWENT	2002/05/31 18:25
[	_	layer		
-	62	udagawa.in. and light-emitting	USPAT;	2002/06/01 10:52
		J	US-PGPUB;	] [
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	1076	udagawa.in. and light-emitting and buffer	USPAT;	2002/06/01 10:56
		near6 BP or BNP or BPN or	US-PGPUB;	2002/00/01 10.30
		"BN. sub.1-x.P. sub.x" or	EPO; JPO;	
		"BP.sub.x.N.sub.1-x" or	DERWENT;	
		"BN.sub.x.P.sub.1-x" or	IBM TDB	
		"BP.sub.1-x.N.sub.x" or ((BP or boron adj	TDH_IDB	
		phosphide) near3 nitrogen)		
	8	udagawa.in. and light-emitting and (buffer	USPAT;	2002/06/01 11:22
	0	near6 (BP or BNP or BPN or	US-PGPUB;	2002/06/01 11:22
		"BN.sub.1-x.P.sub.x" or		
		"BP.sub.x.N.sub.1-x" or	EPO; JPO;	
		"BN.sub.x.P.sub.1-x" or	DERWENT;	
		"BP.sub.1-x.N.sub.x" or ((BP or boron adj	IBM_TDB	
		<pre>phosphide) near3 nitrogen)))</pre>		

-	2		USPAT;	2002/06/01 13:29
		(buffer near6 (BP or BNP or BPN or "BN.sub.1-x.P.sub.x" or	US-PGPUB;	
		"BP.sub.x.N.sub.1-x" or	EPO; JPO; DERWENT;	
		"BN.sub.x.P.sub.1-x" or	IBM TDB	
		"BP.sub.1-x.N.sub.x" or ((BP or boron adj	12.1_100	
		<pre>phosphide) near3 nitrogen)))</pre>		
-	9	light-emitting.ti,ab. and (buffer near6	USPAT;	2002/06/01 13:35
		(BP or BN or BNP or BPN or	US-PGPUB;	
		"BN.sub.1-x.P.sub.x" or	EPO; JPO;	
		"BP.sub.x.N.sub.1-x" or	DERWENT;	
		"BN.sub.x.P.sub.1~x" or	IBM_TDB	
_	0	"BP.sub.1-x.N.sub.x"))		
		(lattice adj match\$3 or mismatch\$3) and (((BN or boron adj nitride) near3 buffer)	USPAT;	2002/06/01 13:39
		near10 (phosporus or P)) and (GaN or	US-PGPUB; EPO; JPO;	
		gallium adj nitride)	DERWENT;	
		garanta and market	IBM TDB	
-	0	(lattice adj match\$3 or mismatch\$3) and	USPAT;	2002/06/01 13:39
		(((BN or boron adj nitride) near6 buffer)	US-PGPUB;	
		near10 (phosporus or P))	EPO; JPO;	
			DERWENT;	
	_	/1-44	IBM_TDB	
-	0	\======= \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	USPAT;	2002/06/01 13:40
		(((BN or boron adj nitride) near6 buffer)	US-PGPUB;	
		near10 (phosporus or P))	EPO; JPO;	
			DERWENT; IBM TDB	
-	l 0	(lattice adj (match\$3 or mismatch\$3)) and	USPAT;	2002/06/01 13:41
		(((BN or BNP or BPN or boron adj nitride)	US-PGPUB;	2002/00/01 13:41
		near6 buffer) near10 (phosporus or P))	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	0	(	USPAT;	2002/06/01 13:42
		and (((BN or BNP or BPN or boron adj	US-PGPUB;	
	į	nitride) near6 buffer) near10 (phosporus	EPO; JPO;	
		or P))	DERWENT;	
i _	672	(boron adj nitride or BN or boron adj	IBM_TDB USPAT;	2002/06/01 12-42
	]	phosphide or BP or BNP) near6 buffer	US-PGPUB;	2002/06/01 13:43
		phosphiae of bi of bar, heard barrer	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	99	(boron adj nitride or BN or boron adj	USPAT;	2002/06/01 14:48
		phosphide or BP or BNP) near6 buffer and	US-PGPUB;	
		(GaN or gallium nitride)	EPO; JPO;	
			DERWENT;	
<u>_</u>		Thomas add mitmids on DV pure	IBM_TDB	0000/00/05
	54	(boron adj nitride or BN or BNP) near6	USPAT;	2002/06/01 14:50
		buffer and (GaN or gallium nitride)	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
_	16	(boron adj nitride or BN or BNP) near6	USPAT;	2002/06/01 14:52
İ		buffer and (GaN or gallium nitride) and	US-PGPUB;	2002/00/01 19:02
		(lattice-mismatch or lattice-match\$3 or	EPO; JPO;	
		<pre>(lattice near3 (match\$3 or mismatch\$3)))</pre>	DERWENT;	
			IBM_TDB	
-	15	(boron adj nitride or BN or BNP) near6	USPĀT;	2002/06/01 15:39
		buffer and (GaN or gallium nitride) near12	US-PGPUB;	
		(lattice-mismatch or lattice-match\$3 or	EPO; JPO;	
		(lattice near3 (match\$3 or mismatch\$3)))	DERWENT;	
_	0	gallium adj nitride adj phosphide and	IBM_TDB USPAT;	2002/06/01 15:40
İ		light-emitting.ti,ab. and phosporus	US-PGPUB;	2002/06/01 15:40
		gire our cornig cor and phosporus	EPO; JPO;	
ļ			DERWENT;	
			IBM TDB	
		and the second s	·	

-	7	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPAT;	2002/06/01 15:42
		adj nitride adj phosphide) and	US-PGPUB;	
ļ		light-emitting.ti,ab. and (phosporus or P)	EPO; JPO;	
			DERWENT;	
	0	(CaND on "CaN sub 1-4 D sub all on malli-	IBM_TDB	2002/05/01 15:42
	0	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide) and	USPAT;	2002/06/01 15:43
		light-emitting.ti,ab. and phosporus	US-PGPUB; EPO; JPO;	
		i i i i i i i i i i i i i i i i i i i	DERWENT;	
			IBM TDB	
_	2	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPAT;	2002/06/01 17:21
	_	adj nitride adj phosphide) and	US-PGPUB;	2002/00/01 1/.21
		light-emitting.ti,ab. and phosphorus	EPO; JPO;	1
		ary and phosphoras	DERWENT;	
			IBM TDB	
_	2	lamp.ti,ab. and light-emitting.ti,ab. and	USPAT;	2002/06/01 17:23
		semiconductor.ti,ab. and group adj "III-V"	US-PGPUB;	2002,00,01 11.25
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	6	lamp.ti,ab. and light-emitting.ti,ab. and	USPĀT;	2002/06/01 17:31
		semiconductor.ti,ab. and GaN	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	1
-	8	lamp.ti,ab. and light-emitting.ti,ab. and	USPAT;	2002/06/01 17:31
		GaN	US-PGPUB;	
			EPO; JPO;	İ
			DERWENT;	
			IBM_TDB	
-	3	lamp.ti,ab. and light-emitting.ti,ab. and	USPAT;	2002/06/01 18:57
		GaN and mount\$3	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	1	//!!=042042!!\ /!!6272256!!\ /!!561255!!\	IBM_TDB	2002/06/01 10:01
_	4	(("5042043") or ("6372356") or ("5612551") or ("5326424")).PN.	USPAT	2002/06/01 19:01
_	7496		USPAT;	2002/06/01 19:23
ļ	/490	(257/94) or $(257/102)$ or $(257/103)$ or	US-PGPUB;	2002/00/01 19:23
		(372/43)).CCLS.	EPO; JPO;	
		(3/2/43/) (3000)	DERWENT;	
			IBM TDB	
_	3	(((257/79) or (257/85) or (257/86) or	USPAT;	2002/06/01 19:28
		(257/94) or (257/102) or (257/103) or	US-PGPUB;	2002,00,01 13:20
		(372/43)).CCLS.) and (gallium adj nitride	EPO; JPO;	
		or gallium adj phosphide or GaN or GaP or	DERWENT;	
		"GaN.sub.1-x.P.sub.x" or	IBM TDB	
		"GaN.sub.x.P.sub.1-x") and buffer near4	_	
	j	(BN or BP or BNP or BPN or		
		"BN.sub.x.P.1-x" or "BN.sub.1-x.P.sub.x"		
		or boron adj nitride or boron adj		
		phosphide) and (lattice near12 (match\$3 or		
		mismatch\$3) or lattice-match\$3 or		
		lattice-mismatch\$3)		